

Appln. No.: 10/610,965
Amendment Dated: March 23, 2007
Reply to Office Action of: December 12, 2006

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Remarks/Arguments:

Applicants' disclosure is directed to a mobile terminal that makes use of tag sections and menu sections in a display of the mobile terminal. In one embodiment, the mobile terminal acts as a remote controller for controlling a device. A controller in the mobile terminal is configured to: (1) in response to a selection of one of the tag sections, display the menu section and functions corresponding to the selected tag section and (2) in response to a selection of one of the functions displayed in the menu section, transmit a signal to a device causing the device to carry out the selected menu function.

Claims 1,6 and 7 stand rejected under 35 U.S.C. § 103(a) as anticipated by Byun et al. (U.S. Pub. No. 2001/0015721) in view of Otsuka et al. (U.S. Patent No. 6,941,160). Claim 2 stands rejected under 35 U.S.C. § 103(a) as anticipated by Byun in view of Otsuka and further in view of Frederiksen (U.S. Pub. No. 2002/0080186). Claim 3 stands rejected under 35 U.S.C. § 103(a) as anticipated by Byun in view of Otsuka and further in view of Scott et al. (U.S. Patent No. 5,675,752). Claim 5 stands rejected under 35 U.S.C. § 103(a) as being anticipated by Byun in view of Otsuka and further in view of Selig et al. (U.S. Patent No. 6,492,978). Claim 8 stands rejected under 35 U.S.C. § 103(a) as being anticipated by Byun in view of Otsuka and further in view of Son et al. (U.S. Patent No. 6,278,887). Claims 9-10 stand rejected under 35 U.S.C. § 103(a) as being anticipated by Byun in view of Otsuka and Frederiksen and further in view of Applicants' Figs. 7 and 8.

It is respectfully submitted, however, that the claims are patentable over the art of record for the reasons set forth below.

Byun is directed to a display of a mobile terminal such as a cellular phone. The display is configured to initially display a main menu. If the main menu is selected, the display displays a sub-menu. If the sub-menu is selected, the display displays functions corresponding to the sub-menu. If a function is selected, the cellular telephone carries out the selected function.

Otsuka is directed to a portable telephone. The portable telephone relevantly includes a controller connected to an operation unit and a display.

Applicants' invention, as recited by claim 1, includes a feature which is neither disclosed nor suggested by the art of record, namely:

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...a controller...configured to:

(a) in response to a first selection of a tag section by the selection key, control the display so as to display the plurality of functions in the menu section corresponding to the tag section that was selected; and

(b) in response to a second selection of one of the plurality of functions displayed in the menu section, controlling the mobile terminal so as to transmit a signal to a device causing the device to carry out the function that was selected.

In the exemplary embodiment described in Applicants' disclosure, this means that the controller controls the display to display various functions when it detects that a tag section has been selected. If one of the functions is subsequently selected, the controller controls the mobile terminal to transmit a signal to a device to be controlled. The signal is a signal that causes the device to be controlled to carry out the selected function. This feature is found in the originally filed application at page 7, lines 3-7; page 6, lines 8-10; and Fig. 1. No new matter has been added.

Figs. 5A through 5C of Byun illustrates the operation of Byun's cellular telephone display. As shown in Fig. 5A, main menu icons 401 are located in a separate section of the display from the sub menu list window 402. When a user selects one of the main menu icons 401, a corresponding list of sub-menu icons 403/404 is displayed in the sub menu list window 402. A user must then select one of the sub-menu icons in order for the cellular telephone to display, in a separate pop-up window, icons for the corresponding functions. If a user selects one of the functions displayed in the pop-up window, the cellular telephone performs the function.

This is different from Applicants' mobile terminal for at least two reasons. First, Byun's cellular telephone requires the extra step of providing a sub-menu between the main menu display and function display steps. Applicants' mobile terminal, on the other hand, eliminates that extra step by controlling the display to display the functions associated with the tag section when a user selects a tag section. Second, Byun does not disclose a mobile terminal that is operable as a remote controller. Thus, Byun does not disclose "controlling the mobile terminal so as to transmit a signal to a device causing the device to carry out the function that was selected," as required by Applicants' amended claim 1.

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Otsuka discloses a portable telephone device that includes two displays of substantially the same size. These displays are provided next to each other so that they can be visually recognized in the same field of vision when the user's line of vision is fixed. See Otsuka at Col. 6, lines 24-27. Otsuka is silent, however, with respect to displaying functions. Additionally, because Otsuka is a cellular phone, like Byun, Otsuka also does not disclose "controlling the mobile terminal so as to transmit a signal to a device causing the device to carry out the function that was selected." Accordingly, neither Byun, nor Otsuka, nor their combination, disclose or suggest all features of Applicants' amended claim 1.

It is because Applicants include the feature of "a controller...configured to:

(a) in response to a first selection of a tag section by the selection key, control the display so as to display the plurality of functions in the menu section corresponding to the tag section that was selected; and (b) in response to a second selection of one of the plurality of functions displayed in the menu section, controlling the mobile terminal so as to transmit a signal to a device causing the device to carry out the function that was selected,

that the following advantages are achieved. Namely, Applicants' mobile terminal reduces the number of operations required for the device to ultimately perform the operation, thus making operation of the mobile terminal less cumbersome.

Accordingly, for the reasons set forth above, claim 1 is patentable over the art of record.

Claims 2-3 and 5-10 include all the features of claim 1 from which they depend. Thus, claims 2-3 and 5-10 are also patentable over the art of record for the reasons set forth above.

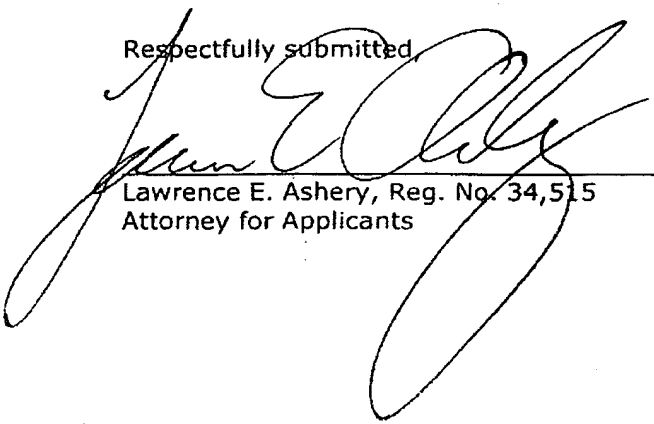
Claim 11 is newly added and is supported by the specification at page 8, lines 15-16 and Fig. 1.

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In view of the amendments set forth above, the above-identified application is in condition for allowance, which action is respectfully requested.

Respectfully submitted,



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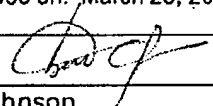
LEA/ds/bj

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